



MAC
McConnell & Associates
Pavement Maintenance Products



MACRO DECK Concrete Protector

MACRO DECK is manufactured by STAR Specialty Technology and Research. MACRO DECK and other STAR products are available from McConnell & Associates, Corp.

Superior Concrete Protection

Over time, the effects of water, de-icing salts and other petrochemicals can damage vital concrete structures such as bridge decks, superstructures and control barriers. These elements can even penetrate the concrete, corroding reinforcing bars and leading to structural failure.

But new or existing concrete can be effectively protected against such irreversible damage. Advanced technology based on specialty polymers and concrete saturants has resulted in MACRO DECK. A superior D.O.T.-tested formulation, it doesn't just coat concrete – it penetrates it. By forming a rubber matrix network inside the concrete structure, MACRO DECK stops water, de-icing salts, and petrochemicals while maintaining the flexural and tensile strength of concrete.

Recommended Uses

MACRO DECK is a 100% acrylic polymer saturant that can be used on concrete surfaces of all types. It is specially-formulated and tested to perform on concrete bridge decks.

MACRO DECK Advantages

- Shields against irreversible effects of salt and chemical damage to concrete
- Improves flexural and tensile strength of concrete
- Easy to apply—fluid, water-like consistency
- Water-based product is safe to handle and easy to store
- Non-flammable

Properties and Specifications

Polymer Type

100% acrylic polymer

Resistance

MACRO DECK is resistant to de-icing salts, hydraulic oils, kerosene, transmission fluid, fat lubricating oils, grease, etc.

Dilution Rate

MACRO DECK should be diluted with clean, potable water. The amount of water added will vary according to the porosity, age and profile of the concrete.

Application Methods

Spray, roller or brush

Coverage Rates

Recommended coverage rate is 200-300 sq.ft./gal., which may vary depending on dilution rate and porosity of surface. Over-application will not enhance product performance.

Drying Time

Approximately 30 minutes. This may vary with ambient temperature and drying conditions.

Weather Limitations

MACRO DECK is a water-based product and must be protected from freezing.

Ground and air temperature must be 50° F and rising prior to, and after application.

High humidity and low temperatures will retard drying. Do not apply during rainy or foggy weather.

Apply at the recommended application rates.

Thick applications will require more time to dry and fully cure.

Packaging

5-gal. pails; 55-gal. drums; 275-gal. reusable container



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